Index of Claims

| Application | /Control | No. |
|-------------|----------|-----|
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10/663,762

Examiner

Christopher M. Raabe

Applicant(s)/Patent under Reexamination

LIM ET AL.

Art Unit

2879

Rejected Allowed

(Through numeral) Cancelled ÷

Restricted

Non-Elected N ı Interference

**Appeal** Α 0 Objected

|              |   | _  |                                       |          |          |          |          |  |  | _               |
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| Cla          | aim_  | <u> </u>   |                                       |          |          | Date     | -        |  | _  | _               |
| _            | ā   | 25   | 9                                     |          |          |          |          |  |  |                 |
| Final        | Original  | 5/17/05  | 78/                                   |          |          |          |          |  |  |                 |
| ш.           | ō   | 5,   | 10                                    |          |          |          |          |  |  |                 |
|              |   | -1   | -:                                    | -        |          |          |          | -  | <u> </u>   | Н               |
|              |   | 1  | 7                                     | _        |          | _        |          | -  | <u> </u>   | Н               |
|              | -   | 1  | ¥                                     | -        | <u> </u> | _        | _        | _  | <u> </u>   | -               |
|              | 3   | 7  | 7                                     |          |          |          |          | -  | ┝  | Н               |
|              | 1<br>2<br>3<br>4<br>5<br>6<br>7                         | 7          | 7                                     | $\vdash$ |          | $\vdash$ | _        | $\vdash$   | -  | Н               |
|              | -   | H  | 1                                     | -        |          | -        | -        | $\vdash$   | ├  | $\vdash$        |
|              | 7   | ij   | Ť                                     | H        | -        | H        |          | -  | $\vdash$   | -               |
|              | 8   | Ì  | Ì                                     |          |          |          |          | _  | _  | H               |
|              | ٦   | ij   | Ì                                     |          | _        | -        |          |  | <del> </del>                                     |                 |
|              | 10  | Ì  | Ì                                     | $\vdash$ |          | $\vdash$ | -        | $\vdash$   | -  | Н               |
|              | 11  | Ì  | J                                     |          |          |          | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$        |
|              | 12  | Ì  | Ì                                     |          | $\vdash$ |          |          | $\vdash$   |  | $\vdash$        |
|              | 13  | 7 7  | < < < < < < < < < < < < < < < < < < < |          | $\vdash$ |          |          | <del>                                     </del> | $\vdash$   |                 |
|              | 14  | 1  | V                                     |          |          |          |          |  | $\vdash$   | $\sqcap$        |
|              | 15  | 1  | 1                                     |          | _        |          | <b></b>  | $\vdash$   |  | $\sqcap$        |
|              | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | 7777   | ファファファファファ                            |          |          |          |          | Г  |  | $\square$       |
|              | 17  | 1  | 1                                     |          |          |          |          |  |  | П               |
|              | 18  | 1  | 7                                     |          |          |          |          |  |  | П               |
|              | 19  | 7 7  | 1                                     |          |          |          |          |  |  | П               |
|              | 20  | 1  | 1                                     |          |          |          |          |  |  |                 |
|              | 21  |  | V                                     |          |          |          |          |  |  |                 |
|              | 22  | 1  | 1                                     |          |          |          |          |  |  |                 |
|              | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27            |  | 7                                     |          |          |          |          |  |  |                 |
|              | 24  | ٧  | 1                                     |          |          |          |          |  | L  | Ш               |
|              | 25  |  | L                                     |          |          |          |          | L  |  | Ш               |
|              | 26  |  | L                                     |          |          |          |          | L  | _  | Ш               |
|              | 27  | L  |                                       |          |          | L        |          |  | ļ  | Ш               |
|              | 28<br>29  | _  | _                                     |          |          |          | _        | _  | _  | Ш               |
|              | 29  |  | _                                     |          |          |          |          |  | _  | Ш               |
|              | 30  | _  | _                                     |          |          |          | _        | _  | _  | Ш               |
|              | 31<br>32  | ļ  | <u> </u>                              |          |          | -        | L        | _  | <u> </u>   | Щ               |
|              | 32  | <u> </u>   | <u> </u>                              | _        |          | _        |          | _  | _  | $\vdash$        |
| <u> </u>     | 33<br>34  | $\vdash$   | <u> </u>                              | -        | <u> </u> | $\vdash$ | <u> </u> | $\vdash$   | <u> </u>   | $\vdash$        |
| <del> </del> | 35  | $\vdash$   | $\vdash$                              | -        | _        | $\vdash$ | <u> </u> | $\vdash$   | <del> </del>                                     | Н               |
|              | 35  |  | -                                     | -        | <u> </u> | -        | <u> </u> | <del> </del>                                     | <del>                                     </del> | Н               |
| $\vdash$     | 36<br>37  | -  | -                                     | -        | -        |          | -        | $\vdash$   | -  | Н               |
|              | 38  | $\vdash$   | $\vdash$                              | -        | _        | -        | -        | -  | -  | $\vdash\vdash$  |
|              | 39  | $\vdash$   | $\vdash$                              | $\vdash$ | <u> </u> | H        | <u> </u> | $\vdash$   | -  | $\vdash\vdash$  |
|              | 40  | -  | $\vdash$                              |          | $\vdash$ | H        | -        | $\vdash$   | $\vdash$   | H               |
|              | 41  | _  | $\vdash$                              | $\vdash$ | _        | H        |          | $\vdash$   | $\vdash$   | Н               |
| <del> </del> | 42  | <del>                                     </del> | $\vdash$                              | $\vdash$ |          | $\vdash$ | $\vdash$ | -  | <del> </del>                                     | $\vdash \vdash$ |
|              | 43  | -  | $\vdash$                              | $\vdash$ | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   | Н               |
| <u> </u>     | 44  | $\vdash$   | $\vdash$                              |          |          | $\vdash$ |          | $\vdash$   | _  | H               |
|              | 45  | _  | $\vdash$                              | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | <del>                                     </del> | <del>                                     </del> | H               |
|              | 46  | _  | $\vdash$                              |          | $\vdash$ |          | $\vdash$ |  | $\vdash$   | Н               |
|              | 47  | $\vdash$   |                                       |          |          |          |          |  | $\vdash$   | Н               |
|              | 48  |  | Г                                     |          |          |          |          |  |  | Н               |
|              | 49  |  | Т                                     | Г        | $\Box$   |          | _        |  | Г  | П               |
|              | 50  |  |                                       | Г        |          | Г        |          | Г  |  | П               |

| Cla      | im       |              |          |   | -        | Date     |                           |              |                                     |              | l [          | Cla   | im       |                 |          |        |          | Date     |   |               |   |          |
|----------|----------|--------------|----------|---|----------|----------|---------------------------|--------------|-------------------------------------|--------------|--------------|-------|----------|-----------------|----------|--------|----------|----------|---|---------------|---|----------|
| T        |          |              |          |   |          |          |                           | Г            | Γ                                   |              |              |       |          |                 |          |        |          |          |   |               |   |          |
| ╗        | Original | 5/17/05      | 10/28/05 |   |          |          |                           |              |                                     |              | ΙI           | ā     | Original |                 |          |        |          |          |   |               |   |          |
| <u> </u> | igi      | 17/          | /28      |   |          |          |                           |              |                                     |              | 1            | Final | igi      |                 |          |        |          |          |   |               |   | i        |
| -        | ō        | 2/           | 10       |   |          |          |                           |              |                                     |              |              | т.    | ō        |                 |          | i      |          |          |   |               |   |          |
| -        |          | -1           | - 7      |   |          | _        | <u> </u>                  | $\vdash$     | <u> </u>                            |              | } }          |       | F4       | Н               |          | _      | _        |          | _ | _             |   | -        |
|          | 1        | -            | 7        |   |          |          |                           |              | <u> </u>                            | _            |              |       | 51       | Н               |          | _      |          |          |   |               | Ш   |          |
| _        | 2        | -            | <b>√</b> |   |          | _        | _                         |              | <u>_</u>                            | _            |              |       | 52       | $\sqcup$        |          | _      |          | _        | _ | _             | _   |          |
|          | 3        | 1            | 1        |   |          |          |                           |              | <u>_</u>                            |              |              |       | 53       | Щ               | _        | _      |          |          |   |               | Ш   | <u></u>  |
|          | 4        | 7            | 1        |   |          | _        | _                         | _            | <u> </u>                            | _            |              |       | 54       | Ш               | _        | _      |          |          |   |               | Ш   |          |
| _        | 5        | 1            | 7        |   |          | _        | L_                        | _            | _                                   | _            |              |       | 55       | Ш               | _        | _      | _        |          | _ | _             | Ш   | _        |
|          | 9        | 7            | 1        |   |          |          |                           |              |                                     |              |              |       | 56       |                 |          | _      |          |          |   |               |   |          |
|          | 7        | 1            | 1        |   |          |          |                           |              |                                     |              |              |       | 57       |                 |          |        |          |          |   |               |   |          |
|          | 8        | 7            | 1        |   | _        | <u> </u> | L                         |              | L                                   |              |              |       | 58       |                 | _        |        |          |          | _ |               |   |          |
|          | 9        | 1            | 1        |   |          |          | L                         |              | L                                   |              | l            |       | 59       | Ш               |          |        |          |          |   |               |   |          |
|          | 10       | 1            | 7        |   |          |          |                           |              |                                     |              | l L          |       | 60       |                 |          |        |          |          |   |               |   |          |
|          | 11       | 7            | 1        |   |          |          |                           |              |                                     |              |              |       | 61       |                 |          |        |          |          |   |               |   |          |
|          | 12       | 1            | 1        |   |          |          | _                         |              |                                     |              | lſ           |       | 62       |                 |          |        |          |          |   |               |   |          |
|          | 13       | 7            | 7        |   |          |          |                           |              |                                     |              |              |       | 63       | П               |          |        |          |          |   |               |   |          |
|          | 14       | 1            | 1        |   |          |          |                           |              |                                     |              | 1            |       | 64       |                 |          |        |          |          |   |               |   |          |
|          | 15       | 1            | 1        |   |          |          |                           |              |                                     |              | 1 1          |       | 65<br>66 |                 |          |        |          | _        |   |               |   |          |
|          | 16       | 1            | 7        |   |          |          |                           |              |                                     |              | 1 1          |       | 66       |                 |          |        |          |          |   |               |   |          |
|          | 17       | 7            | 7        | _ |          |          |                           |              | _                                   |              | ĺ            |       | 67       |                 |          |        | <u> </u> |          |   |               |   |          |
|          | 18       | 1            | 1        |   |          |          |                           |              |                                     |              | it           |       | 68       |                 |          |        | _        |          |   |               |   |          |
|          | 19       | 1            | 1        |   |          |          |                           |              |                                     |              | 1 1          |       | 69       |                 | 一        |        |          |          |   |               |   |          |
|          | 20       | 1            | 1        |   |          |          |                           |              | $\vdash$                            |              | i i          |       | 70       | Н               | $\neg$   | $\neg$ | _        |          |   | $\overline{}$ |   |          |
|          | 21       | 1            | 1        |   |          |          |                           | $\vdash$     | $\vdash$                            | $\vdash$     | 1 1          |       | 71       | Н               | 一        | _      |          |          |   | -             |   |          |
|          | 22       | J            | Ì        |   |          |          | $\vdash$                  | $\vdash$     | $\vdash$                            | $\vdash$     | 1 1          |       | 72       | Н               |          |        |          |          |   |               |   |          |
|          | 23       | 1            | 1        |   | -        |          | -                         | $\vdash$     | $\vdash$                            | $\vdash$     | 1 1          |       | 73       | $\vdash$        | $\neg$   |        |          |          | - | _             | $\vdash$  | _        |
| _        | 24       | Ţ            | V        |   | _        | -        | $\vdash$                  | ┢            | ├                                   | ┢            | 1 1          |       | 74       | $\vdash$        |          | -      |          | -        |   |               |   | _        |
| $\dashv$ | 25       | Ė            | Ė        | _ |          | _        | $\vdash$                  | $\vdash$     | $\vdash$                            | $\vdash$     | 1 1          |       | 75       | $\vdash$        | -        | -      |          | _        | _ |               | Н   | _        |
| _        | 26       | _            | _        | _ | _        | _        | ┝                         |              | ┝                                   | $\vdash$     | łł           |       | 76       | $\vdash$        | $\dashv$ | $\neg$ |          |          |   |               | Н   | -        |
| -        | 27       |              | _        | _ |          | $\vdash$ |                           | ⊢            | -                                   |              | 1 1          |       | 77       | $\vdash$        |          |        | -        | -        |   | -             | Н   | -        |
| -        | 28       | $\vdash$     | $\vdash$ | _ | _        | _        |                           |              | -                                   |              | <b> </b>     | -     | 78       | $\vdash$        |          |        |          | -        |   |               |   |          |
| _        | 29       |              | $\vdash$ |   |          | _        | ⊢                         | $\vdash$     | $\vdash$                            | ┝            | <del> </del> |       | 79       | $\vdash$        |          |        |          | -        |   | $\vdash$      | Н   |          |
| -        | 30       |              | <u> </u> |   |          |          | -                         | -            | ┝                                   | -            | <del> </del> |       | 80       | $\vdash$        | -        |        |          | -        |   |               |   | _        |
| -        | 31       |              | _        |   |          | _        | _                         | $\vdash$     | $\vdash$                            | $\vdash$     | ┨            |       | 81       | -               | $\dashv$ | _      | _        |          |   |               |   | _        |
| _        | 32       | -            |          | _ |          | -        | -                         | $\vdash$     | -                                   | -            | <b>∤</b> }   |       | 82       | -               | $\dashv$ | _      | _        | $\vdash$ |   | _             |   |          |
| -        | 33       | $\vdash$     | _        | _ |          | _        | -                         | ├-           |                                     |              | ┨            |       | 83       | -               | -        | _      |          | _        |   |               | _   |          |
| _        |          |              | <u> </u> |   |          |          | ┝                         | $\vdash$     | -                                   | -            | } }          |       |          | $\vdash$        | $\dashv$ | _      |          | _        |   | _             |   | _        |
| -        | 34<br>35 |              | _        |   | _        | _        | _                         | ⊢            | -                                   | <del> </del> | }            |       | 84<br>85 | Н               | $\dashv$ |        |          |          | - |               |   |          |
| -        | 36       |              | _        |   |          |          | -                         | <del> </del> | <del> </del>                        | ├            | <b> </b>     |       |          | Н               |          |        |          | _        |   |               |   | _        |
| -        | 37       | -            | _        | _ | -        |          | -                         | _            | -                                   | -            | <b> </b>     |       | 86       | H               | $\dashv$ |        |          | _        | _ | _             | Н   | _        |
|          | 37       | _            | <u> </u> | _ | _        | _        | _                         | <del> </del> | -                                   | -            | <b> </b>     |       | 87       | Н               |          | _      | _        | _        |   |               | _   | -        |
|          | 38       |              | _        |   | _        | _        |                           | <u> </u>     | _                                   | -            | <b> </b>     |       | 88       | $\vdash \vdash$ |          | _      |          |          |   |               |   |          |
| _        | 39       |              |          |   | _        | _        | <u> </u>                  | <u> </u>     | <u> </u>                            | <u> </u>     | <b>!</b>     |       | 89       |                 |          | _      | _        | _        |   |               |   |          |
| _        | 40       |              | _        | _ | _        | _        | _                         | <u> </u>     | _                                   | <u> </u>     |              |       | 90       | $\vdash$        |          | _      |          | _        | _ | _             |   | _        |
|          | 41       | _            | _        |   |          | _        |                           |              | <u> </u>                            | _            |              |       | 91       | Ш               | _        | _      | _        | _        |   | _             |   |          |
| _        | 42       |              | _        |   | _        | <u> </u> | <u> </u>                  | _            | <u> </u>                            | _            |              |       | 92       | -               | _        | _      | _        |          |   | _             | _   |          |
| _        | 43       | _            | <u> </u> | _ | <u> </u> | <u> </u> |                           | _            | <u> </u>                            | _            |              |       | 93       | Щ               |          | _      |          | Ш        |   | _             | $oxed{\begin{tabular}{cccccccccccccccccccccccccccccccccccc$ | <u> </u> |
|          | 44       | Щ            | <u> </u> |   | Ш        | <u> </u> | $ldsymbol{ldsymbol{eta}}$ | <u> </u>     | <u> </u>                            | <u> </u>     |              |       | 94       | Щ               | _        |        | Щ.       |          | Ш | Ь.            |   |          |
| _        | 45       | L            | _        | Ш | Ш        | <u> </u> | <u> </u>                  | _            |                                     | <u> </u>     |              |       | 95       | Ш               |          |        | L.,      | Щ        | L | L             | L.  | L        |
| _        | 46       | L            | Ц.       | Ш | Ш        |          | _                         | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _            |              |       | 96       | Ш               |          |        | _        |          | L | L_            |   |          |
| _        | 47       |              | L_       |   | _        | <u> </u> | _                         | _            | L_                                  | _            |              |       | 97       |                 |          |        |          |          |   |               | Ш   |          |
| _        | 48       |              |          |   |          | _        |                           | _            | _                                   | _            |              |       | 98       | Ш               | _        |        |          |          | Ш |               | Ш   |          |
|          | 49       | $oxed{oxed}$ |          |   |          | <u> </u> |                           | _            |                                     |              | Į Į          |       | 99       | Ш               |          |        |          |          |   |               | Ш   |          |
|          | 50       |              |          |   |          |          |                           |              | L                                   | L            | ] [          |       | 100      |                 |          |        |          |          |   |               |   |          |
|          |          |              |          |   |          |          |                           |              |                                     |              | •            |       |          |                 |          |        |          |          |   |               |   |          |

| Cli         | aim   | Date     |          |  |          |              |  |               |  |                 |  |
|-------------|---|----------|----------|--|----------|--------------|--|---------------|--|-----------------|--|
|             |   |          |          |  |          |              |  |               |  |                 |  |
| a           | Original  |          |          | ĺ  |          |              |  |               |  |                 |  |
| Final       | Ē   |          |          |  |          |              |  |               |  |                 |  |
| _           | Ō   |          |          |  |          |              |  |               |  |                 |  |
|             | 101   | _        | <u> </u> | ├-   | -        | -            | $\vdash$   | ├             | -  | Н               |  |
|             | 101   | -        | _        | ├  | -        |              | -  | $\vdash$      | ├-   | Н               |  |
|             | 102   | _        | _        | -  | -        |              | -  | ┡             | <u> </u>   | -               |  |
|             | 103   | _        | _        | _  | -        | _            |  | <u> </u>      |  | $\vdash$        |  |
|             | 104   |          | _        | <u> </u>                                     | L        |              | L  | <u> </u>      | <u> </u>   |                 |  |
|             | 105   |          | _        | _  | _        |              | L  | <u> </u>      | <u> </u>   | $\square$       |  |
|             | 101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109                             |          |          | <u> </u>                                     | _        |              | _  | _             | _  | Ш               |  |
|             | 107   |          |          |  | _        |              | L.   | <u> </u>      | ļ  | Ш               |  |
|             | 108   |          |          | L  | _        |              | _  | L             | <u> </u>   | Ш               |  |
|             | 109   |          |          |  | _        |              |  |               |  | Ш               |  |
|             | 110   |          |          | L  | L        |              | L  |               | L  | Ш               |  |
|             | 111   |          |          |  |          |              |  |               |  |                 |  |
|             | 112   |          |          |  |          |              |  |               |  |                 |  |
|             | 113   |          |          |  |          |              |  |               |  |                 |  |
|             | 114   |          |          |  |          |              |  |               |  |                 |  |
|             | 115   | П        |          |  |          |              | Г  | Г             | Г  |                 |  |
|             | 111<br>112<br>113<br>114<br>115<br>116<br>117   | П        |          |  |          |              | Г  |               | Г  | П               |  |
|             | 117   |          |          |  |          |              |  |               |  |                 |  |
|             | 118   |          |          |  |          |              | T  |               |  | П               |  |
|             | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 | _        |          |  |          |              |  | $\vdash$      | _  | Н               |  |
|             | 120   |          |          |  |          |              | $\vdash$   |               | $\vdash$   | H               |  |
|             | 121   | _        | _        | $\vdash$                                     | $\vdash$ | _            | -  | -             | _  | Н               |  |
|             | 122   | ┢        | -        | ┢  | H        | $\vdash$     | ┢  | $\vdash$      | ┢  | Н               |  |
|             | 123   | -        | -        | ┢  | -        | $\vdash$     | $\vdash$   | $\vdash$      | $\vdash$   | Н               |  |
|             | 124   | -        | _        | -  | H        | $\vdash$     | ┢  | -             | ┝  | Н               |  |
| -           | 125   |          | -        | ┝  | $\vdash$ | $\vdash$     | $\vdash$   | -             | ├  | $\vdash$        |  |
|             | 125   | -        | -        | -  | -        | $\vdash$     |  | $\vdash$      | -  | ┝╌┤             |  |
| -           | 120   |          |          | -  | -        | -            | -  | -             | -  | Н               |  |
| -           | 127   | -        | $\vdash$ | ├-   | H        | $\vdash$     | $\vdash$   | -             | -  | $\vdash$        |  |
|             | 120   |          |          | ├  | -        | ⊢            |  | -             | $\vdash$   | Н               |  |
|             | 129   | <u> </u> | _        | <del> </del>                                 | -        | _            | ├-   |               |  | Н               |  |
|             | 130   | _        | _        | <u>                                     </u> | L        | $\vdash$     | ⊢  | <u> </u>      | <u> </u>   |                 |  |
|             | 131   | <u> </u> |          | <u> </u>                                     | _        |              | ┡  | _             | <u> </u>   | Ш               |  |
|             | 132   | _        | _        | _  | _        |              | <u> </u>   |               | _  | Щ               |  |
|             | 133   | <u> </u> |          | <u> </u>                                     | _        |              | <u> </u>   |               | <u> </u>   | Щ               |  |
| ļ           | 134   |          | _        | <u> </u>                                     |          |              | _  | _             | <u> </u>   | Щ               |  |
| ļ           | 135   |          |          |  |          |              | <u> </u>   | _             | <u> </u>   | Щ               |  |
|             | 133<br>134<br>135<br>136  |          | _        | _  | _        | $oxed{oxed}$ | <u> </u>   | _             | <u> </u>   | Ш               |  |
| <u></u>     | l 137   | L_       | L        | <u> </u>                                     | L        | L            | <u> </u>   | _             | _  | Ш               |  |
|             | 138<br>139  |          | <u> </u> | _  |          |              |  |               |  |                 |  |
|             | 139   |          |          |  |          |              |  |               |  |                 |  |
|             | 140   |          |          | L  |          |              |  |               |  |                 |  |
|             | 141   |          |          | L  |          |              | L  | L             | L  |                 |  |
|             | 142   |          |          |  |          |              |  |               |  |                 |  |
|             | 143   |          |          | Γ  |          |              | Γ  |               | Γ  |                 |  |
|             | 144   |          | Г        |  |          |              | Г  |               |  |                 |  |
|             | 145   | Г        |          | _  |          | Г            |  | $\overline{}$ |  | П               |  |
|             | 146   |          | $\vdash$ | 1  |          |              | Ι  |               |  | $\vdash \vdash$ |  |
| ·           | 147   | $\vdash$ | $\vdash$ | $\vdash$                                     |          | Н            |  | Н             | <del>                                     </del> | H               |  |
| <del></del> | 148   | $\vdash$ | $\vdash$ | $\vdash$                                     |          | Н            | <del>                                     </del> | $\vdash$      | $\vdash$   | Н               |  |
|             | 149   | $\vdash$ | $\vdash$ | -  | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$      | -  | Н               |  |
| <u> </u>    | 150   | $\vdash$ | $\vdash$ | <del> </del>                                 | -        | $\vdash$     | $\vdash$   |               | $\vdash$   | Н               |  |
|             | 130   |          |          | Щ  | L        |              |  | _             | Щ  |                 |  |